

REMARKS

Claims 1-2 and 11-14 are pending. By this Amendment, Claims 1-2 are amended, and Claims 3-10 are canceled without prejudice or disclaimer, and Claims 11-14 are added.

Since Claim 1 is amended to incorporate the features recited by claims 4 and 5 of the application as originally filed, as well as features described in paragraph [0055] of the application as originally filed; since Claim 11 recites features described in paragraphs [0060], [0066], [0071], [0076] and [0081] of the application as originally filed; and since Claims 12-14 each recite a feature recited by claim 2, Applicant respectfully submits that no new matter is presented herein.

Telephonic Interview

Applicant appreciates the courtesies extended to Applicant's representatives by Examiners Shiu and Dalencourt during the interview. The points discussed during the interview are incorporated into the following remarks.

Claim Rejections – 35 U.S.C. §103

Claims 1, 3, 5, 6, and 8-9 are rejected under 35 U.S.C §103(a) as being unpatentable over United States Patent Publication Number 2003/0055924 to Matsugatani in view of JP Publication Number 2003-339276 to Acesa:KK (hereinafter "KK"); and Claims 2, 4, 7 and 10 are rejected under 35 U.S.C §103(a) as being unpatentable over Matsugatani in view of KK as applied to Claims 1 and 9, and in further view of JP Publication Number 10-078901 to Sumitomo Electric (hereinafter "Sumitomo").

Applicant respectfully submits that since Claims 3-10 have been canceled herein without prejudice or disclaimer, the rejections as they apply to these claims are rendered moot and should be withdrawn.

Applicant respectfully traverses the rejections as they relate to pending Claims 1-2, and 11-14 for at least the following reason(s).

Claim 1 recites client-server vehicle data communication system including, among other features, a server; a service contents managing section for managing a plurality of service contents to be provided to a client terminal of a vehicle, wherein the service contents managing section includes a cache identifier providing section for assigning each service content provided to the client terminal a cache identifier which indicates a ***data cache stored duration time*** in the client terminal; a request sending section for sending a request signal for the service content to the server, where the server content is provided from the server when the request signal is received by the server, wherein the cache identifier indicates a condition for caching of the service content, and when a request for the service content is again issued in the client terminal while the condition for the caching is satisfied and the service content is cached in a memory of the client terminal, the service content in the memory is read out without sending the request signal for the service content to the server.

As discussed during the telephonic interview, Applicant respectfully submits that Matsugatani, KK and Sumitomo, alone or in any combination thereof, do not teach or suggest such features.

For example, Matsugatani merely teaches a client-server vehicle data communication system and does not teach or suggest a cache identifier which indicates a data cache stored duration time in the client terminal. As was discussed during the interview, while Matsugatani discussed a time lag in paragraph [0064], Matsugatani does not teach or suggest the time lag being indicated by a cache identifier in a client terminal.

Similarly, KK merely teaches providing a file management table (300) in portable information equipment (10) which records, as a file select condition, a day of the week, a time band, present user position, and original file storage position information of the subject file on a network for every file of a management object. A file corresponding to a present day of the week and the present user position is retrieved on the basis of the file management table. KK further teaches that if a file coincident to the file selection condition does not exist in a storage device of the portable information equipment (10), the subject file is downloaded from the original file storage position on the network and is stored in the storage device inside. Furthermore, paragraph [0062] of KK specifically states that a specific file can be downloaded from the network if a file coincident to the file selection condition exists in a storage device of the client terminal. However, Applicant respectfully points out that KK does not teach or suggest a cache identifier which indicates a data cache stored duration time in the client terminal.

Compared to the features recited by Claim 1, Applicant submits that KK discloses a different client terminal, because the client terminal taught by KK

can download specific information from the network if a file coincident to the file selection condition exists in a storage device of the client terminal. Also, KK discloses a different type of cache identifier, because the information with the file is not a cache identifier which indicates a data cache stored duration time in the client terminal. Rather, the information taught by KK only relates to the file select condition.

Similarly Sumitomo discloses a cache memory C found in an in-vehicle unit (100) which stores various kinds of information with tag information (position information or valid area range information or valid time information) obtained from an information center (30). The cache memory C is first in first out (i.e., FIFO) memory. When a controlling part 5 tries to obtain a certain kind of information, at first, the controlling part 5 accesses the cache memory C, and if a certain kind of information is not found in the cache memory C, the controlling part 5 accesses the information center (30) to obtain the certain kind of information. The controlling part 5 then compares the position information stored in the client terminal (100) to the position and travel direction of the vehicle, the valid area information stored in the client terminal (100) to the position of the vehicle, and the valid time information stored in the client terminal (100) to the present time. The controlling part 5 then changes the information's FIFO sequence of the cache memory C based on the results of the above-listed comparisons performed by the controlling part 5. However, Applicant respectfully points out that Sumitomo, like Matsugatani and KK, does not teach or suggest a

cache identifier which indicates a data cache stored duration time in the client terminal.

Further, Sumitomo discloses a different type of cache identifier because the tag information only represents the change in the information's alignment sequence based on the results of various types of comparisons performed by the controlling part.

In view of the above, Applicant respectfully submits that Matsugatani, KK, and Sumitomo, alone or in any combination thereof, fail to teach or suggest the features of the invention recited by Claim 1. Therefore, if one of ordinary skill in the art were to combine the teachings of the applied references, the combined teachings would not result in the invention recited by Claim 1. Accordingly, Applicant respectfully submits that Claim 1 is not rendered obvious by Matsugatani, KK and Sumitomo, alone or in any combination thereof, and should therefore be deemed allowable.

Claims 2 and 11-14 depend from Claim 1. It is respectfully submitted that these dependent claims be deemed allowable for at least the same reason(s) Claim 1 is allowable, as well as for the additional subject matter recited therein.

Applicant respectfully requests withdrawal of both rejections.

Conclusion

In view of the above, reconsideration of the application, withdrawal of the outstanding rejections, allowance of Claims 1-2 and 11-14, and the prompt issuance of a Notice of Allowability is respectfully requested.

Should the Examiner believe anything further is desirable in order to place the application in better condition for allowance, the Examiner is requested to contact the undersigned at the telephone number listed below.

In the event this paper is not considered to be timely filed, the Applicant respectfully petitions for an appropriate extension of time. Any fees for such an extension, together with any additional fees that may be due with respect to this paper, may be charged to counsel's Deposit Account No. 01-2300, **referencing docket number 107439.00098.**

Respectfully submitted,

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